

IN THE SPECIFICATION

Please amend the paragraph beginning at page 17, line 3, as follows:

1 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200) was dissolved in 1.1 ml of styrene and 120  $\mu$ l of divinylbenzene (11% by weight, based on styrene) under an inert atmosphere of argon. The mixture was treated with 5 mg of benzoyl peroxide (0.5% by weight, based on styrene), 110 mg of DESMODUR ~~Desmodur~~<sup>®</sup> N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 28  $\mu$ l of dibutyltin dilaurate, and these materials were thoroughly mixed. The mixture was transferred into a casting mold which was composed of two glass sheets held apart by a Teflon gasket of thickness 0.5 mm. The casting mold was held together by clamps and placed in a temperature-controlled oven. The temperature was kept for 6 h at 60 °C, then 2 h at 80°C, and finally 2 h at 100°C. The casting mold was removed from the oven and allowed to cool, and the specimen was demolded.

Please amend the paragraph beginning at page 17, line 40, and continuing through page 18, line 3, as follows:

2 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200), 220 mg of DESMODUR ~~Desmodur~~<sup>®</sup> N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 56  $\mu$ l of dibutyltin dilaurate were mixed and crosslinking was then carried out for 6 h at 60°C in a Teflon casting mold. The crosslinking and demolding processes gave an elastomeric film. This film was immersed for 12 h in a solution comprising styrene, divinylbenzene (11% by weight, based on styrene), and benzoyl peroxide (0.5% by weight, based on styrene). The elastomeric film was replaced in the casting mold and cured in an oven for 2 h at 80°C and then 2 h at 100°C. The casting

mold was removed from the oven and allowed to cool. This gave a translucent flexible film comprising about 70% by weight of polyisobutene.

Please amend the paragraph beginning at page 18, line 9, as follows:

A solution was prepared by mixing 2 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200), 220 mg of DESMODUR Desmodur® N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 56  $\mu$ l of dibutyltin dilaurate, and dissolving the mixture in 1.1 g of dichloromethane.

Please amend the paragraph beginning at page 18, line 29, as follows:

1 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200) was dissolved in 1.1 ml of styrene under an inert atmosphere of argon. The mixture was treated with 5 mg of benzoyl peroxide (0.5% by weight, based on styrene), 110 mg of DESMODUR Desmodur® N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 28  $\mu$ l of dibutyltin dilaurate, and these materials were thoroughly mixed. The mixture was transferred into a casting mold which was composed of two glass sheets held apart by a Teflon gasket of thickness 0.5 mm. The casting mold was held together by clamps and placed in a temperature-controlled oven. The temperature was kept for 6 h at 60°C, then 2 h at 80°C, and finally 2 h at 100°C. The casting mold was removed from the oven and allowed to cool, and the specimen was demolded. This gave a white, flexible film.

Please amend the paragraph beginning at page 19, line 19, as follows:

1 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200) was dissolved in 4 g of methyl methacrylate (MMA) and 120  $\mu$ l of ethylene glycol dimethacrylate (3% by weight, based on MMA) under an inert atmosphere of argon. The mixture was treated with 20 mg of benzoyl peroxide (0.5% by weight, based on MMA), 110 mg of DESMODUR ~~Desmodur~~® N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 28  $\mu$ l of dibutyltin dilaurate, and these materials were thoroughly mixed. The mixture was transferred into a casting mold which was composed of two glass sheets held apart by a Teflon gasket of thickness 0.5 mm. The casting mold was held together by clamps and placed in a temperature-controlled oven. The temperature was kept for 6 h at 60°C, then 1 h at 80°C. The casting mold was removed from the oven and allowed to cool, and the specimen was demolded.

Please amend the paragraph beginning at page 20, line 9, as follows:

2 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200), 220 mg of DESMODUR ~~Desmodur~~® N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 56  $\mu$ l of dibutyltin dilaurate were mixed, and crosslinking was then carried out for 6 h at 60°C in a Teflon casting mold. The crosslinking and demolding process gave an elastomeric film. This film was immersed for 12 h in a solution which comprised MMA, ethylene glycol dimethacrylate (3% by weight, based on MMA), and benzoyl peroxide (0.5% by weight, based on MMA). The elastomeric film was replaced in the casting mold and cured in an oven for 2 h at 80°C and then 2 h at 100°C. The casting mold was removed from the oven and allowed to cool. This gave a translucent

flexible film comprising about 30% by weight of PMMA and 70% by weight of polyisobutene.

Please amend the paragraph beginning at page 20, line 26, as follows:

0.4 g of  $\alpha$ ,  $\omega$ -dihydroxypolyisobutene (Mn 4200) was dissolved in 1.6 ml of methyl methacrylate (MMA) under an inert atmosphere of argon. The mixture was treated with 8 mg of benzoyl peroxide (0.5% by weight, based on MMA), 37 mg of DESMODUR ~~Desmodur~~<sup>®</sup> N3300 (polyisocyanate from Bayer with an average of 21.8 g of isocyanate groups/100 g of product; 11% by weight, based on polyisobutene), and 1.1  $\mu$ l of dibutyltin dilaurate, and 300  $\mu$ l of toluene and these materials were thoroughly mixed. The mixture was transferred into a casting mold which was composed of two glass sheets held apart by a Teflon gasket of thickness 0.5 mm. The casting mold was held together by clamps and placed in a temperature-controlled oven. The temperature was kept for 1 h at 60°C, then 1 h at 80°C. The casting mold was removed from the oven and allowed to cool, and the specimen was demolded. This gave a translucent flexible film.